

SEQUENCE LISTING

<110> Glucksmann, Maria A.
Kadambi, Vivek

<120> 33358, A NOVEL HUMAN ANKYRIN FAMILY MEMBER AND USES THEREOF

<130> MNI-162CP

<150> 60/212,222

<151> 2000-06-16

<160> 3

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1538

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (75)...(1046)

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          Met Glu Asp Gly Pro Val Phe Tyr Gly Phe Lys Asn
              1              5              10

att ttt att aca atg ttt gct acg ttt ttt ttc ttt aag ctt tta att 158
Ile Phe Ile Thr Met Phe Ala Thr Phe Phe Phe Phe Lys Leu Leu Ile
      15              20              25

aaa gtt ttt ttg gct ctc cta acc cat ttc tat atc gtc aaa gga aat 206
Lys Val Phe Leu Ala Leu Leu Thr His Phe Tyr Ile Val Lys Gly Asn
      30              35              40

aga aaa gaa gcg gct agg ata gca gaa gag atc tat ggt gga att tca 254
Arg Lys Glu Ala Ala Arg Ile Ala Glu Glu Ile Tyr Gly Gly Ile Ser
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gat tgc tgg gct gat cga tcc oca ctt cat gaa gct gca gct cag ggg 302
Asp Cys Trp Ala Asp Arg Ser Pro Leu His Glu Ala Ala Ala Gln Gly
          65              70              75

cgc tta ctg gcc ctt aaa act tta att gca caa ggt gtc aat gtg aac 350
Arg Leu Leu Ala Leu Lys Thr Leu Ile Ala Gln Gly Val Asn Val Asn
      80              85              90

ctt gtg aca att aac cgg gtg tct tct ctc cac gag gca tgc ctt gga 398
Leu Val Thr Ile Asn Arg Val Ser Ser Leu His Glu Ala Cys Leu Gly
      95              100              105
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09034670-061301

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 Gly His Val Ala Cys Ala Lys Ala Leu Leu Glu Asn Gly Ala His Val
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aat gga gtg aca gtt cac gga gcc aca ccc ctc ttc aat gct tgc tgc 494
 Asn Gly Val Thr Val His Gly Ala Thr Pro Leu Phe Asn Ala Cys Cys
 125 130 135 140

agc ggc agt gct gca tgt gtc aat gtg ctg ctg gag ttc gga gcc aag 542
 Ser Gly Ser Ala Ala Cys Val Asn Val Leu Leu Glu Phe Gly Ala Lys
 145 150 155

gcc cag ttg gag gtg cac ctg gcc tcg ccc atc cat gag gca gtg aag 590
 Ala Gln Leu Glu Val His Leu Ala Ser Pro Ile His Glu Ala Val Lys
 160 165 170

aga ggt cac aga gag tgc atg gag atc ctg ctg gca aat aat gtt aac 638
 Arg Gly His Arg Glu Cys Met Glu Ile Leu Leu Ala Asn Asn Val Asn
 175 180 185

att gac cat gag gtg cct cag ctc gga act ccc cta tat gtg gcc tgc 686
 Ile Asp His Glu Val Pro Gln Leu Gly Thr Pro Leu Tyr Val Ala Cys
 190 195 200

acc tac cag agg gta gac tgt gtg aag aaa ctt cta gaa tta gga gcc 734
 Thr Tyr Gln Arg Val Asp Cys Val Lys Lys Leu Leu Glu Leu Gly Ala
 205 210 215 220

agt gtc gac cat ggc cag tgg ctg gac acc cca ctc cat gct gca gcg 782
 Ser Val Asp His Gly Gln Trp Leu Asp Thr Pro Leu His Ala Ala Ala
 225 230 235

agg cag tcc aat gtg gag gtc atc cac ctg cta acc gac tat gga gct 830
 Arg Gln Ser Asn Val Glu Val Ile His Leu Leu Thr Asp Tyr Gly Ala
 240 245 250

aac ctg aag cgt aga aat gct cag ggc aaa agt gcg ctt gat ctg gcg 878
 Asn Leu Lys Arg Arg Asn Ala Gln Gly Lys Ser Ala Leu Asp Leu Ala
 255 260 265

gct cca aaa agc agc gtg gag cag gca ctc ttg ctc cgt gaa ggc cca 926
 Ala Pro Lys Ser Ser Val Glu Gln Ala Leu Leu Leu Arg Glu Gly Pro
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cct gct ctt tcc cag ctc tgc cgc ctg tgt gtc cgg aag tgt ctc ggt 974
 Pro Ala Leu Ser Gln Leu Cys Arg Leu Cys Val Arg Lys Cys Leu Gly
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cga gca tgt cat caa gcc atc cac aag cta cat ctg cca gag cca ctc 1022
 Arg Ala Cys His Gln Ala Ile His Lys Leu His Leu Pro Glu Pro Leu
 305 310 315

gaa cga ttc ctc cta tac caa tag tcctaagtgt tcctgggaag atacttgga 1076
 Glu Arg Phe Leu Leu Tyr Gln *
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09004370-061801

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<213> Homo sapiens

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Ala Leu Leu Thr His Phe Tyr Ile Val Lys Gly Asn Arg Lys Glu Ala
35     40     45
Ala Arg Ile Ala Glu Glu Ile Tyr Gly Gly Ile Ser Asp Cys Trp Ala
50     55     60
Asp Arg Ser Pro Leu His Glu Ala Ala Ala Gln Gly Arg Leu Leu Ala
65     70     75     80
Leu Lys Thr Leu Ile Ala Gln Gly Val Asn Val Asn Leu Val Thr Ile
85     90     95
Asn Arg Val Ser Ser Leu His Glu Ala Cys Leu Gly Gly His Val Ala
100    105    110
Cys Ala Lys Ala Leu Leu Glu Asn Gly Ala His Val Asn Gly Val Thr
115    120    125
Val His Gly Ala Thr Pro Leu Phe Asn Ala Cys Cys Ser Gly Ser Ala
130    135    140
Ala Cys Val Asn Val Leu Leu Glu Phe Gly Ala Lys Ala Gln Leu Glu
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Val His Leu Ala Ser Pro Ile His Glu Ala Val Lys Arg Gly His Arg
165    170    175
Glu Cys Met Glu Ile Leu Leu Ala Asn Asn Val Asn Ile Asp His Glu
180    185    190
Val Pro Gln Leu Gly Thr Pro Leu Tyr Val Ala Cys Thr Tyr Gln Arg
195    200    205
Val Asp Cys Val Lys Lys Leu Leu Glu Leu Gly Ala Ser Val Asp His
210    215    220
Gly Gln Trp Leu Asp Thr Pro Leu His Ala Ala Arg Gln Ser Asn
225    230    235    240
Val Glu Val Ile His Leu Leu Thr Asp Tyr Gly Ala Asn Leu Lys Arg
245    250    255
Arg Asn Ala Gln Gly Lys Ser Ala Leu Asp Leu Ala Ala Pro Lys Ser
260    265    270
Ser Val Glu Gln Ala Leu Leu Leu Arg Glu Gly Pro Pro Ala Leu Ser
275    280    285
Gln Leu Cys Arg Leu Cys Val Arg Lys Cys Leu Gly Arg Ala Cys His
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Leu Tyr Gln

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09334670-061301

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Met Phe Ala Thr Phe Phe Phe Phe Lys Leu Leu Ile Lys Val Phe Leu																			
20 25 30																			
gct ctc cta acc cat ttc tat atc gtc aaa gga aat aga aaa gaa gcg	144																		
Ala Leu Leu Thr His Phe Tyr Ile Val Lys Gly Asn Arg Lys Glu Ala																			
35 40 45																			
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Ala Arg Ile Ala Glu Glu Ile Tyr Gly Gly Ile Ser Asp Cys Trp Ala																			
50 55 60																			
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Leu Lys Thr Leu Ile Ala Gln Gly Val Asn Val Asn Leu Val Thr Ile																			
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Asn Arg Val Ser Ser Leu His Glu Ala Cys Leu Gly Gly His Val Ala																			
100 105 110																			
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Cys Ala Lys Ala Leu Leu Glu Asn Gly Ala His Val Asn Gly Val Thr																			
115 120 125																			
gtt cac gga gcc aca ccc ctc ttc aat gct tgc tgc agc ggc agt gct	432																		
Val His Gly Ala Thr Pro Leu Phe Asn Ala Cys Cys Ser Gly Ser Ala																			
130 135 140																			
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Ala Cys Val Asn Val Leu Leu Glu Phe Gly Ala Lys Ala Gln Leu Glu																			
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Val His Leu Ala Ser Pro Ile His Glu Ala Val Lys Arg Gly His Arg																			
165 170 175																			
gag tgc atg gag atc ctg ctg gca aat aat gtt aac att gac cat gag	576																		
Glu Cys Met Glu Ile Leu Leu Ala Asn Asn Val Asn Ile Asp His Glu																			

180										185					190					
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gtg	gag	gtc	atc	cac	ctg	cta	acc	gac	tat	gga	gct	aac	ctg	aag	cgt	768				
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Arg	Asn	Ala	Gln	Gly	Lys	Ser	Ala	Leu	Asp	Leu	Ala	Ala	Pro	Lys	Ser					
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Ser	Val	Glu	Gln	Ala	Leu	Leu	Leu	Arg	Glu	Gly	Pro	Pro	Ala	Leu	Ser					
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cag	ctc	tgc	cgc	ctg	tgt	gtc	cgg	aag	tgt	ctc	ggc	cga	gca	tgt	cat	912				
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Gln	Ala	Ile	His	Lys	Leu	His	Leu	Pro	Glu	Pro	Leu	Glu	Arg	Phe	Leu					
305					310					315					320					
cta	tac	caa	tag													972				
Leu	Tyr	Gln	*																	

09834870-061301